

## WHAT IS GIS?

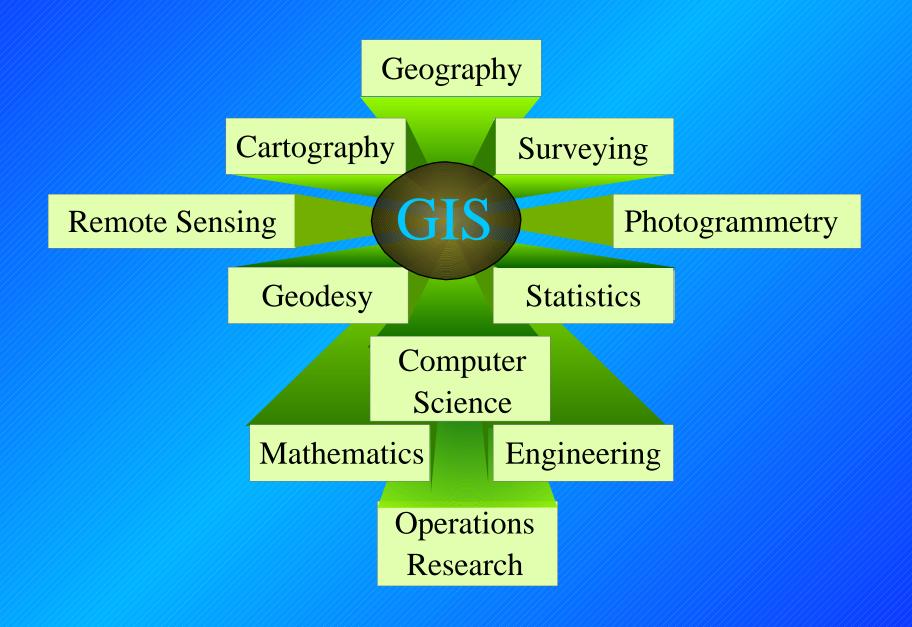
A system of hardware, software, data, people, organizations and institutional arrangements for collecting, storing, analyzing and disseminating georeferenced information.

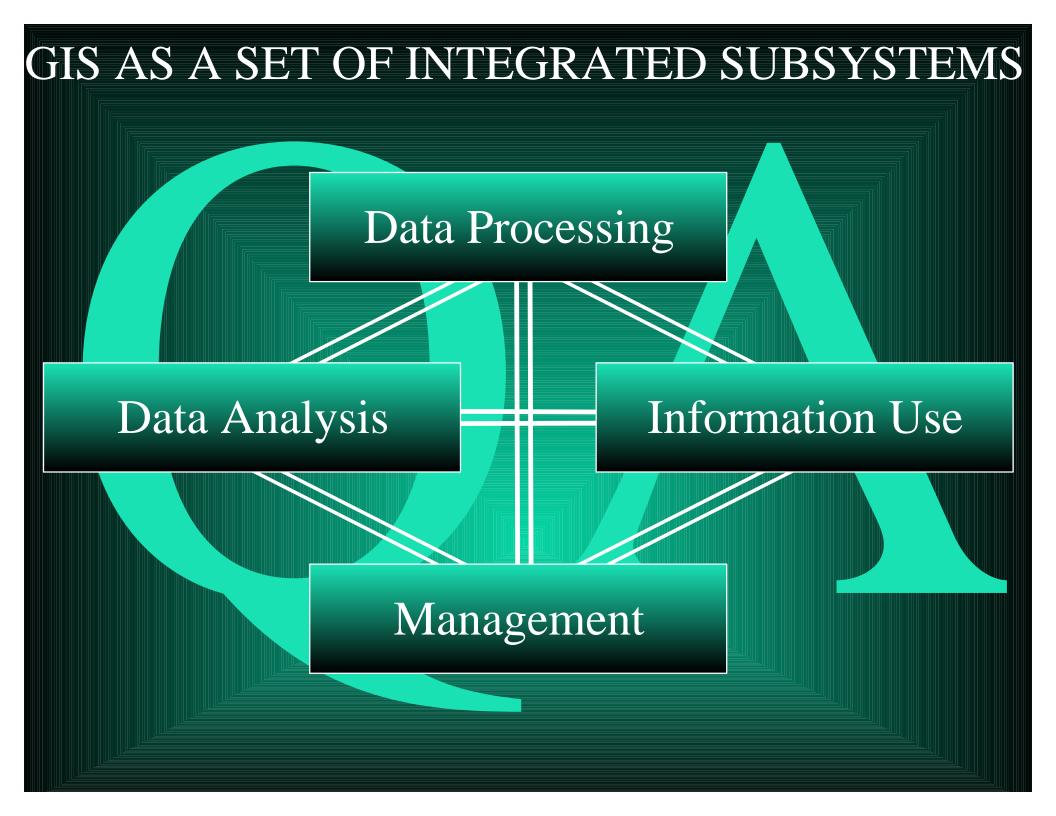
### **ENVIRONMENTAL APPLICATIONS**

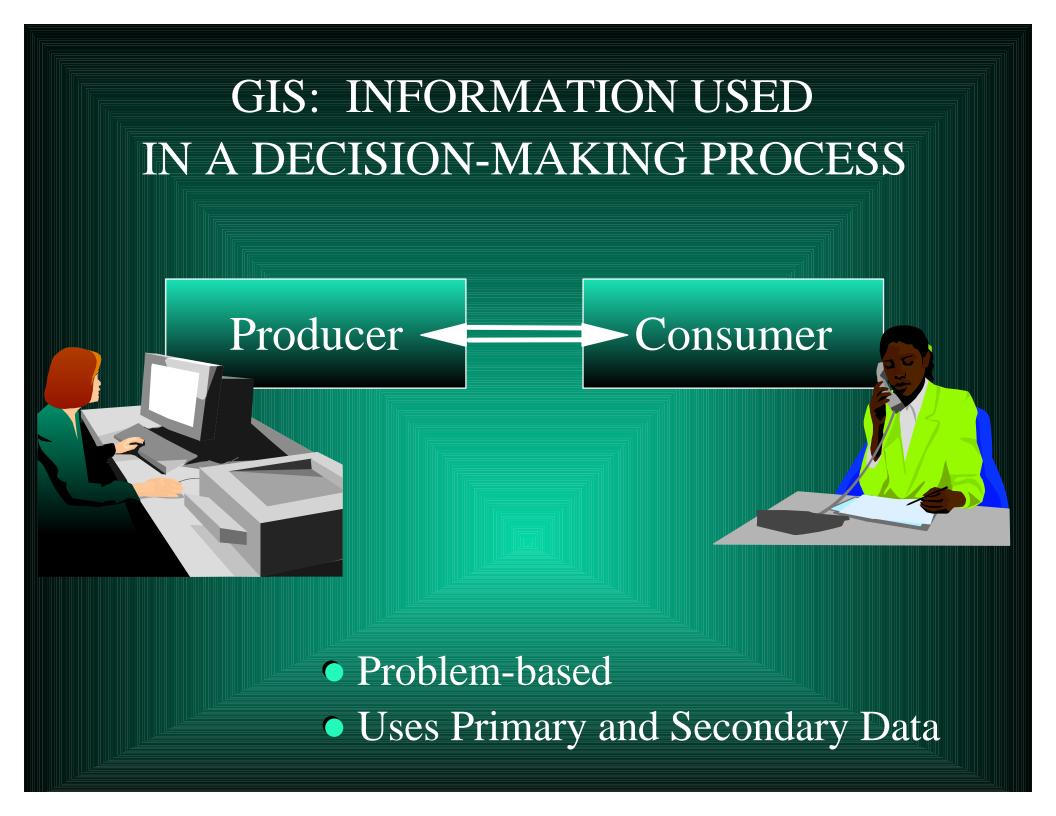
#### Explore environmental questions related to:

- Location
  - Where is facility X? Where are the wetlands?
- Patterns
  - What is the distribution of high blood lead levels in children?
- Relationships
  - What is the spatial relationship between facility X, human population density, and prevailing winds?
- Trends
  - How many acres of wetlands have disappeared since 1980? Since 1990?
- Forecasting
  - What would happen if ...?

## **DISCIPLINES AND TECHNOLOGIES**







# GIS GLOSSARY

Some words you might hear in the course:

- Attribute
- Classification
- Comparability
- Completeness
- Contour
- Coordinates

- Grid
- Thematic
- Metadata
- Representativeness
- Vector